

WEST Search History

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DATE: Monday, December 05, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	host.clm. and dopant.clm. and powder.clm.	31
<input type="checkbox"/>	L2	L1 and melt\$4.clm.	4
<input type="checkbox"/>	L3	host same dopant same melt\$4 same container	5

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		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L1	host.clm. and dopant.clm. and powder.clm.	31
<input type="checkbox"/>	L2	L1 and melt\$4.clm.	4
<input type="checkbox"/>	L3	host same dopant same melt\$4 same container	5
<input type="checkbox"/>	L4	5242531.pn.	2

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L3: Entry 3 of 5

File: USPT

Jul 3, 2001

DOCUMENT-IDENTIFIER: US 6254674 B1

TITLE: Method of controllably delivering dopant by limiting the release rate of dopant from a submerged vessel

Brief Summary Text (8):

U.S. Pat. No. 5,242,531 to Klingshirn et al. discloses a process for continuously recharging a melt crucible with additional molten host material and additional molten dopant. In this regard, the Klingshirn '531 et al. patent describes separate containers filled with the host material and the dopant that are positioned above the melt crucible. Feedlines connect the containers with an additional crucible or container in which the host material and the dopant are mixed and melted. This additional crucible includes an outlet for supplying additional molten semiconductor material to the melt in order to recharge the melt during the crystal-growing process. While the '531 Klingshirn et al. patent addresses some of the issues with respect to controlling the amount of dopant in the melt throughout the course of a crystal-growing process, the technique described by the '531 Klingshirn et al. patent requires multiple containers positioned above the melt crucible which may complicate the design of the crystal-growing furnace and limit access to the melt crucible during the crystal-growing process.

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L3: Entry 4 of 5

File: USPT

Jan 30, 2001

DOCUMENT-IDENTIFIER: US 6179914 B1

TITLE: Dopant delivery system and method

Brief Summary Text (8):

U.S. Pat. No. 5,242,531 to Klingshirn et al. discloses a process for continuously recharging a melt crucible with additional molten host material and additional molten dopant. In this regard, the Klingshirn '531 et al. patent describes separate containers filled with the host material and the dopant that are positioned above the melt crucible. Feedlines connect the containers with an additional crucible or container in which the host material and the dopant are mixed and melted. This additional crucible includes an outlet for supplying additional molten semiconductor material to the melt in order to recharge the melt during the crystal-growing process. While the '531 Klingshirn et al. patent addresses some of the issues with respect to controlling the amount of dopant in the melt throughout the course of a crystal-growing process, the technique described by the '531 Klingshirn et al. patent requires multiple containers positioned above the melt crucible which may complicate the design of the crystal-growing furnace and limit access to the melt crucible during the crystal-growing process.

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WEST Search History

DATE: Friday, December 02, 2005

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<input type="checkbox"/>	L1	264/112.ccls. and 264/308.ccls.	8
<input type="checkbox"/>	L2	264/113.ccls. and 264/308.ccls.	38
<input type="checkbox"/>	L3	264/113.ccls. and 264/401.ccls.	17
<input type="checkbox"/>	L4	264/112.ccls. and 264/401.ccls.	2
<input type="checkbox"/>	L5	L1 and binder.clm.	3
<input type="checkbox"/>	L6	L2 and binder.clm.	13
<input type="checkbox"/>	L7	L3 and binder.clm.	5
<input type="checkbox"/>	L8	L4 and binder.clm.	1
<input type="checkbox"/>	L9	6733528.pn. and activation agent	0
<input type="checkbox"/>	L10	6403002.pn. and activation agent	0
<input type="checkbox"/>	L11	6322728.pn. and activation agent	0
<input type="checkbox"/>	L12	6322728.pn. and (acid or amine or alcohol or ketone or salt)	1
<input type="checkbox"/>	L13	6733528.pn. and (acid or amine or alcohol or ketone or salt)	1
<input type="checkbox"/>	L14	6403002.pn. and (acid or amine or alcohol or ketone or salt)	1
<input type="checkbox"/>	L15	hochsmann.IN. and activation agent	2
<input type="checkbox"/>	L16	ederer.IN. and activation agent	3
<input type="checkbox"/>	L17	ghosh.IN. host.clm. and dopant.clm.	0
<input type="checkbox"/>	L18	ghosh.IN. and host.clm. and dopant.clm.	12
<input type="checkbox"/>	L19	carlton.IN. and host.clm. and dopant.clm.	14
<input type="checkbox"/>	L20	hatwar.IN. and host.clm. and dopant.clm.	31
<input type="checkbox"/>	L21	L20 and seal\$4.clm.	2
<input type="checkbox"/>	L22	L19 and seal\$4.clm.	2
<input type="checkbox"/>	L23	L18 and seal\$4.clm.	2

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